

CASE NO. KGP-2003-01

ABSTRACT OF THE DISCLOSURE

A method and tool to smooth surface contours uses a fixed back plate mounted at a known distance to an actuator holding plate. Each of the actuators is mounted in said actuation holding plate by a support collar threaded into said actuator holding plate. Threaded with said support collar is an actuator holder with rigidly holds an actuator. A differential threaded adjustment device is then inserted through said fixed back plate and connected to say support collar and actuator holder so that each can be moved independently of the other. The actuator is made of two piezoelectric plates connected in parallel and separated by a silicon rubber o-ring.